

# SECURE SYSTEMS

## SDV<sup>®</sup> High Assurance



### Securing highly classified data in any environment

THE SILICON DATA VAULT<sup>®</sup> HIGH ASSURANCE (SDV<sup>®</sup>-HA) SERIES CERTIFIED TO STORE HIGHLY CLASSIFIED DATA UP TO & INCLUDING TOP SECRET WHILST ENABLING THE DEVICE TO BE HANDLED AS UNCLASSIFIED

#### Fast Facts:

##### System Security:

- SDV hardware encryption
- NSA suite B
- AES 256
- ECC 384
- SHA 256
- Physical and digital tamper protection
- 2 factor authentication

##### Secure erase

#### Features:

- Customisable operating environment
- Customisable operating mode
- Customisable access control
- Customisable multi partition storage
- OS agnostic
- Bootable
- 240 or 480GB solid state storage

#### Connectivity:

- USB
- eSATAp

#### Form Factor:

- 135(l)x81(w)x20(d) metal case
- Strong casing

#### Testing & Certification:

- Australian Signals Directorate High Assurance
- MIL-STD-810G specifications

#### Part Numbers:

- SDV-HA240, SDV-HA480

### Overview

The Silicon Data Vault High Assurance (SDV-HA) is a portable self-encrypting solid state storage and processing device housed in a compact rugged enclosure. It attaches to a computer by USB or eSATAp. Hardware implemented, the SDV-HA utilizes NSA Suite B cryptographic algorithms, two-factor pre-boot & post-boot authentication (password and USB token) & highly innovative anti-tamper detection and response mechanisms to provide exceptionally strong data protection. Detecting both physical and electrical tampering and monitoring environmental and operational conditions with a tamper event triggered if a condition contravenes predefined values. When a tamper event is triggered, the SDV-HA will destroy the encryption keys rendering the device inoperable.

Australian Signals Directorate (ASD) High Assurance certification enables the SDV-HA to secure highly classified data up to and including TOP SECRET yet enable handling as an UNCLASSIFIED device.

Tested to MIL-STD-810G specifications the SDV-HA will perform equally well in an office or when transported to more environmentally hostile deployed or embedded scenarios.



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#### Secure Remote Computing and Data Storage Combined:

Three operational capabilities that suit different environments providing a high level of protection from brute force, cyber, physical and malware attacks.

Possible Applications	Capability	Capability Definition
Office Based / Travelling	Storage	Highly classified data storage. Optional bootable operating system.
Embedded Systems	System	Highly classified data storage. Bootable operating systems held in a secure partition.
Deployed Environment	Guarded	Highly classified data storage. Applications held in a secure partition are executed on a host PC's Windows environment.

# Secure Systems

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